

ABSTRACT OF THE DISCLOSURE

This invention involves an air-conditioning system installed in the shoe. This system consists of three air pumps, which are installed in the sole of the shoe, pumping hot air and bad odor out and fresh air in. Another component is an air-conditioning unit located at the back part of the shoe. The basic energy required for the air-conditioning system to function is received from the mechanical energy of the weight of a walking person. Also, additional energy is received from a battery located on the back of the shoe, charged by a battery charger in the sole. All the systems are controlled by an electronic temperature control unit located outside of the shoe. During cold weather conditions, the air-conditioning unit can function as a heat pump, warming the inside of the shoe. The entire system regulates the temperature inside the shoe depending on the weather conditions.